Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	10/07/2014 09:08 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	09/08/2014 01:08 PM
Cytometer Configuration:	Euroflow PLUS 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125177	0	1.15	124996	1.12
Blue	F	SSC	125000	123760	-1	2.42	124676	2.07
Blue	E	FITC	17083	16664	-3	2.20	937	7.93
Blue	D	PE	24195	23539	-3	1.79	1064	7.16
Blue	B	PerCP-Cy5-5	64158	62983	-2	2.42	1674	11.61
Blue	A	PE-Cy7	76341	75223	-2	3.53	997	21.78
Red	C	APC	61782	61339	-1	2.51	3477	7.77
Red	A	APC-Cy7	92681	92288	-1	2.57	1829	7.57
Violet	B	CF-BLUE	13115	12781	-3	2.84	789	7.12
Violet	A	V500	46454	44606	-4	2.33	2520	4.92

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20348	2.65	572	-2	N/A	N/A	Pass
Blue	F	SSC	61937	1.41	482	3	N/A	N/A	Pass
Blue	E	FITC	104	31.12	506	1	0.0316	39	Pass
Blue	D	PE	221	21.55	504	1	0.2083	100	Pass
Blue	B	PerCP-Cy5-5	206	34.99	577	2	0.0141	0	Pass
Blue	A	PE-Cy7	79	83.70	638	3	0.0194	11	Pass
Red	C	APC	326	25.05	570	2	0.0232	12	Pass
Red	A	APC-Cy7	115	35.99	550	3	0.0053	711	Pass
Violet	B	CF-BLUE	83	37.46	451	2	0.0590	1720	Pass
Violet	A	V500	165	18.93	475	1	0.0182	0	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.62	47.70 - 71.54	N/A	N/A	-31.09	-30.97	0.88
Blue	20.45	16.35 - 24.53	1.25	1.00 - 1.50	0.00	0.00	1.29
Red	16.11	13.07 - 19.61	N/A	N/A	31.55	31.73	1.13

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9674

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments